

TLP 700TV Setup Guide

Overview

The Extron® TLP 700TV is a free-standing TouchLink™ Panel that provides simple and versatile configuration and control for a range of control systems. The panel can be wall-mounted using the optional Extron VM 700T mounting plate (part #70-692-01) and a third-party VESA D 75 mm mount kit.

Graphic and text objects are displayed on the screen. Functions associated with those objects are initiated by touching the screen.

The TLP 700TV communicates with the units that it controls through an Ethernet connection to an IP Link box. Two BNC connectors allow the screen to be used to preview composite and S-video.

NOTE The RJ-45 output on the rear panel of the TLP 700TV must be connected to a network switch, hub, or router that is connected to an Ethernet LAN or the Internet. An Extron IP Link controller must also be connected to the same network domain. Suggested models include:

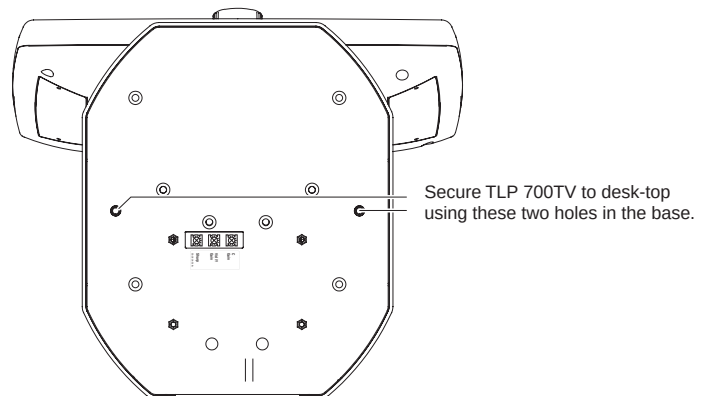
- IPL T S series (e.g. IPL T S4)
- IPL 250
- IPL T CR 48
- IPL T SFI 244

This guide provides basic instructions for an experienced installer to mount and perform initial configuration on the TLP 700TV.

Installing the TLP 700TV

The TLP 700TV comes assembled with a stand that allows it to be placed on a desktop. Place the unit in a suitable position.

If required, secure the unit to the desktop by drilling two holes through the desktop 5.1 inches (13 cm) apart. Use two wood screws through the desktop into the two holes in the base.



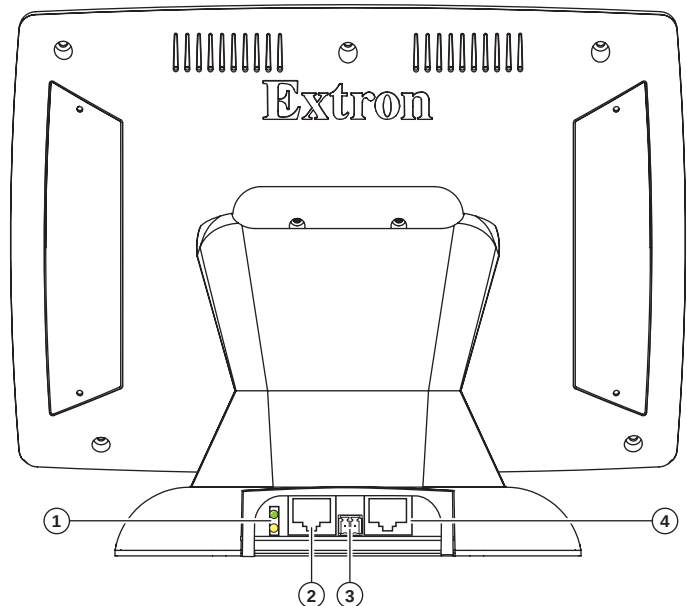
Insert the network cable into the RJ-45 socket (②) closest to the green and yellow LEDs (①).

Insert the twisted pair connection for the Extron MTP Transmitter into the other RJ-45 socket (④).

WARNING The left RJ-45 connector on the back of the TLP 700TV (with the yellow and green LEDs) may only be connected to a network. The right RJ-45 connector may only be connected to an Extron MTP Transmitter. The MTP transmitter uses higher voltages than a LAN and inputting those voltages on the network connection will damage the TLP 700TV.

Connect the 12 VDC, 3.0 A power supply to the 2-pole captive screw connector (③).

WARNING See the note in the Power Supply Connections section of the Reference Manual for important information.



IMPORTANT:
Refer to www.extron.com for the complete user manual and installation instructions before connecting the product to the power source.

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Configuring the TLP 700TV (Initial Setup)

Before using the TLP 700TV, it is essential to configure it, using the on screen menus. There are five different screens (Main, Volume, Time, Network, and Video) that can be selected by pressing the appropriate button at the left side of the screen. There is also an Exit button at the bottom left corner of the screen for leaving the menus.

Enter the Setup Menu

- 1.. Use a paper clip to press the recessed Menu button to activate the top-level menu screen. The menu opens at the Main Setup Page (see figure on the next page).
2. Touch an area of the screen to bring it into focus and use the up and down buttons or the volume control knob to adjust the value. Some options have a single button and toggle between Off and On when pressed.

Use the different menu pages to adjust the following options. For more details, see the Reference Manual.

Main (shown at right) — This page is used to adjust the Sleep timer, Backlight, Auto Backlight, LED Backlight, and Wake on Motion functions.

Volume — This page is used to adjust the Master, Click, Sound, and Line In volume settings.

Time — This page is used to set up the correct time and date.

Network — This page is used to set the IP address, the subnet mask, and to enable or disable Dynamic Host Configuration Protocol (DHCP).

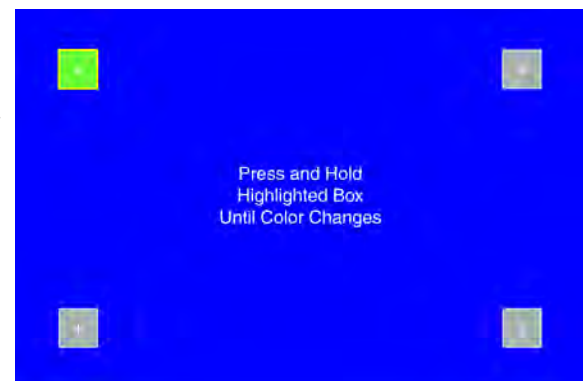
Video — provides a small video preview window and the controls to set up the video contrast, color, brightness, and tint.



Setup Screen

Enter Calibration Menu

1. Press the Menu button a second time to calibrate the screen. For more details, see the Reference Manual. Once all four points have been calibrated, the screen reopens to the Setup Menu.
2. Press **Exit** to close the on screen menus.



Calibration Screen

Reset Modes

The TLP 700 TV has four reset modes that can be initiated by pressing the Reset button:

Factory Firmware Mode: Hold the Reset button while applying power to reset the unit back to the base firmware shipped with the unit.

Run/Stop Events Mode: Hold the Reset button until the reset LED blinks once (3 sec.), then release and press Reset momentarily (<1 sec.) within 1 second. This mode turns events either On or Off.

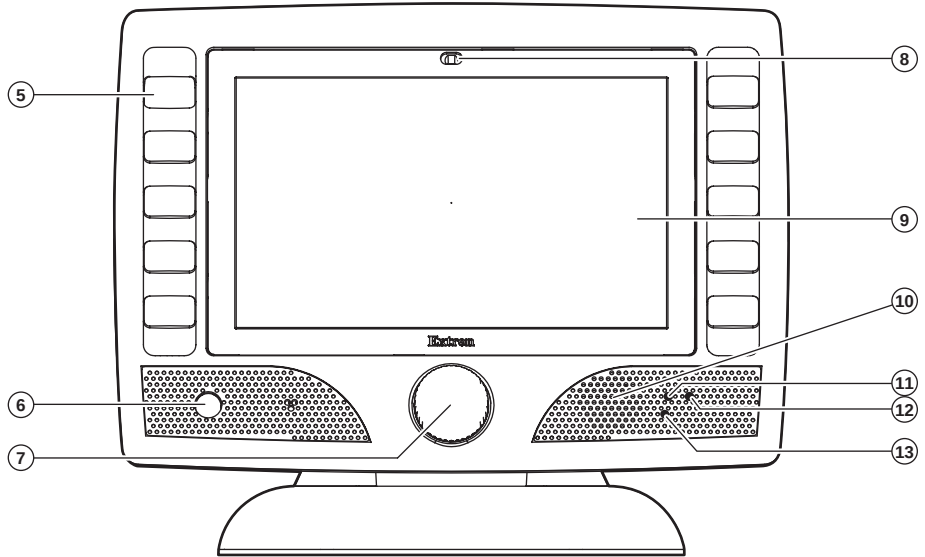
Reset All IP Settings Mode: Hold the Reset button until the reset LED blinks twice (6 sec.), then release and press Reset momentarily (<1 sec) within 1 second. This mode resets the IP address, subnet, gateway, port mapping, and DHCP settings back to factory defaults. The reset LED blinks 4 times in quick succession, confirming the reset and turning events off. If necessary, reset the IP address, using ARP and the MAC address.

Reset Factory Defaults Mode: Hold the Reset button until the reset LED blinks 3 times (9 sec.), then release and press Reset momentarily (<1 sec) within 1 second. This mode causes a complete reset to factory defaults (except firmware).

NOTE See the Reference Manual for additional details.

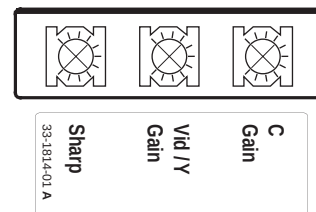
TLP 700TV Front Panel Features

- ⑤ **Buttons** — These ten backlit push-buttons (five on either side of the screen) can be configured, with the Extron Global Configurator software, to control common user-defined functions.
- ⑥ **Motion Sensor** — is capped with a small Fresnel lens that focuses light onto the sensor. When no motion has been detected for a user-defined period of time, the unit goes into sleep mode. When motion is detected in the vicinity of the panel, the screen display is restored and all buttons are active.
- ⑦ **Encoder Knob** — intended for volume control but it can be configured for other functions.
- ⑧ **Light Sensor** — monitors the level of ambient light and adjusts the screen brightness and button backlighting.
- ⑨ **LCD screen** — The 800 x 480 resolution LCD screen has a touch overlay. A graphic user interface is designed using the Extron GUI Configurator software to display buttons, images or text on the screen. These can be configured for a range of user-defined functions, using the Extron Global Configurator software.
- ⑩ **Speaker** — A single 2 W speaker provides audible feedback for the user.
- ⑪ **Reset buttons** — recessed behind the faceplate. It allows the unit to be reset in any of four different modes.
- ⑫ **Menu button** — recessed behind the faceplate. It activates the on-screen menus for setting up the panel and calibrating the unit.
- ⑬ **Reset LED** — recessed behind the faceplate. It lights green as an indicator for the Reset modes.



TLP 700TV Base Features

Three adjustable potentiometers in the base that are used to control sharpness, and gain for both S-video luminance (Y), and S-video chrominance (C). If a composite video signal is being used, the gain is controlled by the center potentiometer (Vid/Y).



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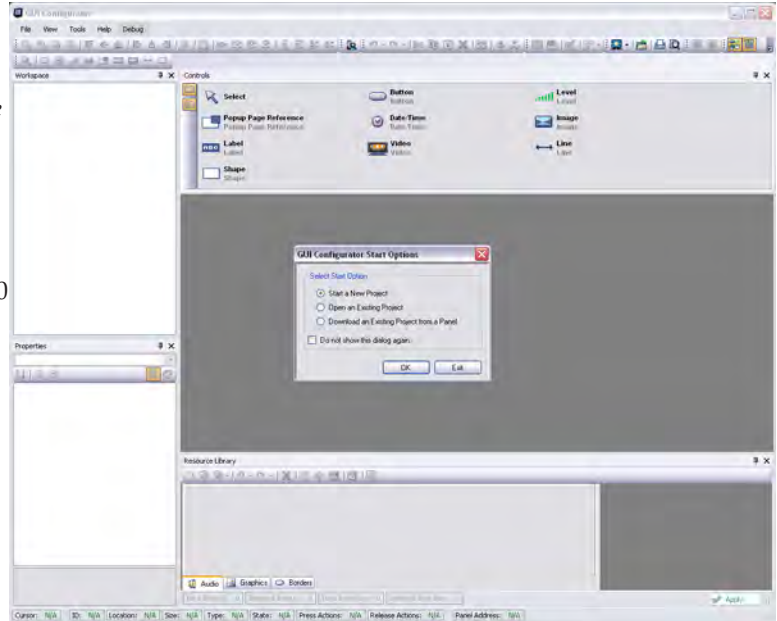
Designing the TLP 700TV Interface with GUI Configurator

Install the GUI Configurator software on a PC and use it to design the interface that will appear on the TLP 700TV.

NOTE The Extron GUI Configurator software is on the disk that comes with the TouchLink Panel and may also be downloaded (free of charge) from the Extron Web site (www.extron.com). For information about downloading GUI Configurator, consult the TLP 700 Series Reference Manual, which is also available from the Extron Web site (www.extron.com).

When you open the program, you can open an existing project, start a new project with an existing template, or design a completely new interface.

NOTE Consult the GUI Configurator Help File for information about using GUI Configurator. To open the help file, click on the **Help** menu and select **Help** or press the F1 button on your keyboard.



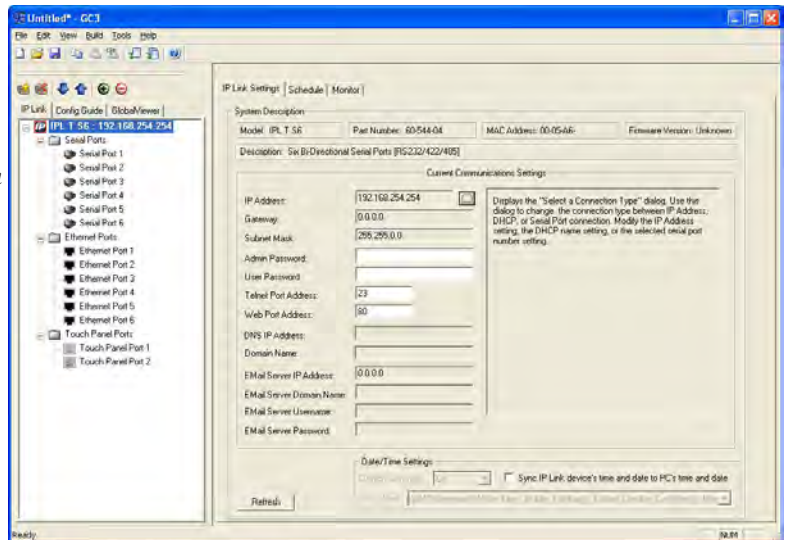
Configuring the TLP 700TV Interface with Global Configurator 3

Install the Global Configurator 3 software on a PC and use it to assign functions to the screen elements that were created with GUI Configurator.

NOTE The Extron Global Configurator 3 software is on the disk that comes with the TouchLink Panel and may also be downloaded (free of charge) from the Extron Web site (www.extron.com). For information about downloading Global Configurator 3, consult the TLP 700 Series Reference Manual.

When you open the program, open the project created with GUI Configurator 3 and assign functions to the buttons and screen graphics and text. When the functions have been assigned to all screen objects, build the project and upload it to the system's IP Link unit.

NOTE Consult the Global Configurator 3 Help File for information about using Global Configurator 3 to assign functions to objects and building and uploading the completed project. To open the help file, click on the **Help** menu and select **Help** or press the F1 button on your keyboard.



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